

# Strut Rod Details

Use this document for servicing and setting length on strut rods

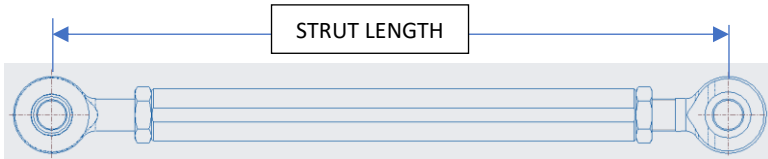


Call the Timbersled Product Pros at any time! **888.588.6326**

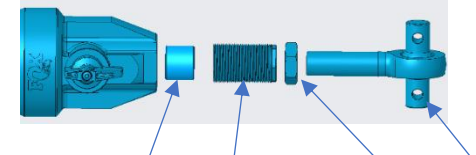
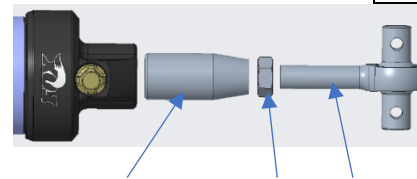
**Overview:** Strut rod length can vary to a degree to suite rider preference and riding style. Generally, a longer strut rod puts more pressure on the ski and a shorter strut rod will lighten the pressure on the ski. Extreme amounts of adjustment in either direction will have negative effects on handling. Struts come set to length from the factory, but if swapping bikes it may be necessary to adjust the length. Set length for each application is found on the “Fitment Tables”.

## Fixed Strut

- Strut length is measured from center of eyelet to center of eyelet
- Find your recommended length on the fitment table for you bike
- See table for adjustment ranges for each part number
- Torque the jam nuts to 30 NM



Fixed Strut Details				
Application	MIN Length (in)	MAX Length (in)	Part Number	Notes
Mountain Horse	10.9	12.9	2882855	
Mountain Horse	12.3	14.25	2882740	
ARO / RIOT	10.9	12.5	2884928	Uses TSS reducers
ARO / RIOT	12.3	14	2884929	Uses TSS reducers
ARO / RIOT	10.3	12.3	*2883306	Discontinued
ARO / RIOT	12.3	14.25	*2883305	Discontinued



## Timbersled Suspension Struts (TSS) and (TSS QSL)

- The TSS and TSS QSL shocks are universal. Lengths are determined by the TSS insert shaft and ball joint combination
- Find you recommended strut length for your application on the Fitment Tables.
- Use the charts to the right to determine which shaft and ball joints are needed to achieve the desired set length
- This information is also useful for those who have purchased a used TSS or a service TSS shock to upgrade from a fixed strut kit.
- Apply blue Loctite® when installing the TSS shaft and torque to 30 NM
- Set the length and then torque the jam nut to 30NM

ARO / RIOT TSS							ARO / RIOT TSS QSL						
MIN (in)	MAX (in)	Shaft PN	Shaft (in)	Jam Nut	Ball End PN	Service Kit	MIN Length (in)	MAX Length (in)	Spacer	Shaft PN	Shaft Length (in)	Jam Nut	Ball end PN
11.5	11.7	5141479	0.75"	7542771	7061267	2883333	11.25	12	N/A	5143570	1.6"	7548025	7061294
11.7	12	5142717	1"	7542771	7061267	2884084	12	12.875	5143572	5143570	1.6"	7548025	7061294
12	12.6	5141208	1.3"	7542771	7061266	2883335	12.875	13.625	N/A	5143571	3.2"	7548025	7061294
12.6	12.9	5141810	1.8"	7542771	7061265	2883336	13.625	14.562	5143572	5143571	3.2"	7548025	7061294
12.9	13.5	5141207	2.2"	7542771	7061266	2884245							
13.5	14.25	5141809	2.85"	7542771	7061265	2883337							
Mountain Horse TSS							Mountain Horse TSS QSL						
MIN (in)	MAX (in)	Shaft PN	Shaft (in)	Jam Nut	Ball End PN	Service Kit	MIN Length (in)	MAX Length (in)	Spacer	Shaft PN	Shaft Length (in)	Jam Nut	Ball end PN
11.5	11.7	5141479	.75"	7542771	7061250	2883029	11.6	12.1	5143572	5141208	1.3"	7548025	7061245
11.7	12	5142717	1.01"	7542771	7061250	N/A	12.16	12.66	5143572	5141810	1.8"	7548025	7061245
12	12.6	5141208	1.3"	7542771	7061245	2882624	12.56	13.06	5143572	5141207	2.2"	7548025	7061245
12.6	13	5141810	1.8"	7542771	7061245	2882626	13.21	13.71	5143572	5141809	2.85"	7548025	7061245
13	13.5	5141207	2.2"	7542771	7061245	2882623	13.71	14.25	5143572	5141205	3.35"	7548025	7061245
13.25	13.75	5141209	2.5"	7542771	7061245	2882625							
13.625	14.125	5141809	2.85"	7542771	7061245	2882622							
14.125	14.625	5141205	3.35"	7542771	7061245	2882621							

TSS QSL Upgrade Kits: ARO/RIOT = 2884797  
Mountain Horse = 2889240